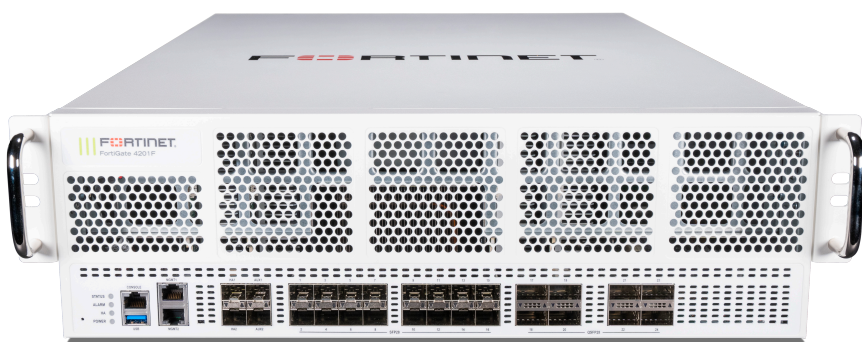


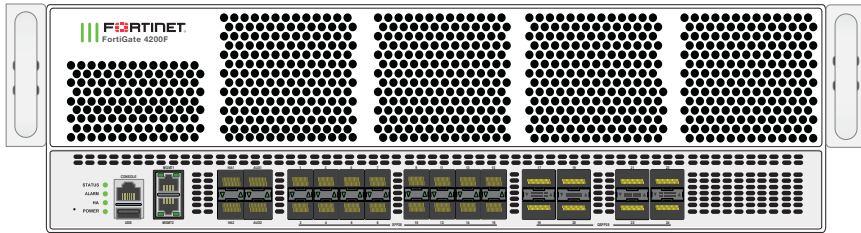
FORTINET®



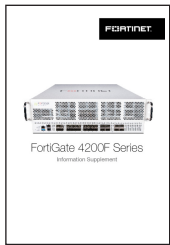
FortiGate 4200F Series

Information Supplement

Box Includes



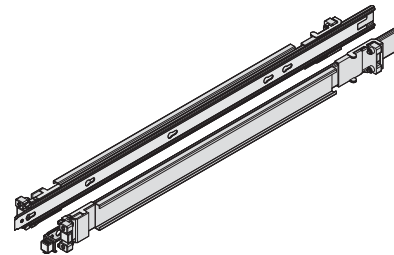
FortiGate 4200F/4201F



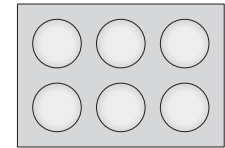
Information Supplement



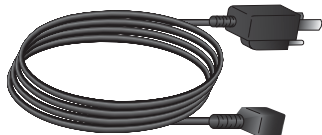
QuickStart Guide



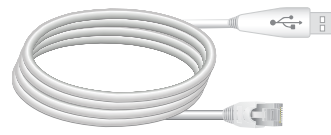
Mounting Rail Assembly



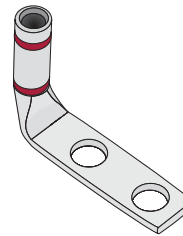
6x Rubber Feet



2x AC Power Cables
(AC models only)



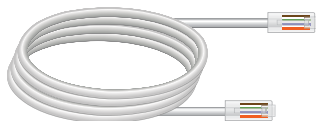
Console Cable
(USB to RJ45)



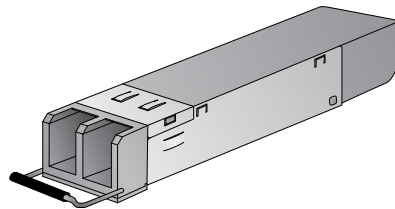
1 Grounding Lugs
(DC models only)



2x DC Power Cables
(DC models only)

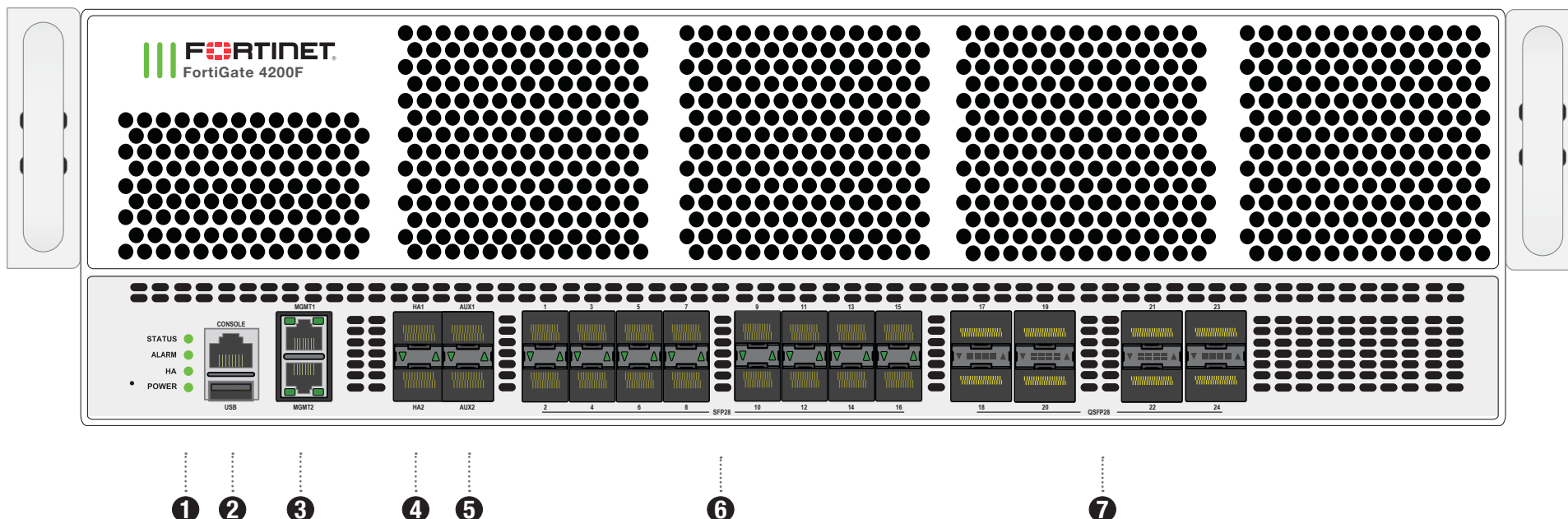


Ethernet Cable



2x SFP+ Transceivers

Front Panel



1 LED Indicators

STATUS

- **Green:** Operating normally
- **Flashing Green:** Booting up
- **Red:** Major alarm

ALARM

- **Red:** Major alarm
- **Amber:** Minor alarm
- **Off:** No alarms

HA

- **Green:** Operating in an HA cluster
- **Red:** HA failure
- **Off:** HA disabled

POWER

- **Green:** The unit is on
- **Off:** The unit is off

2 CONSOLE (RJ45) port for serial port management

USB (USB A) USB 3.0 server port

3 Management Ports (RJ45) 1GE for device management

MGMT1 default IP is 192.168.1.99

MGMT2 default IP is 192.168.2.99

4 HA1 & HA2 Ports (SFP28)

- ▼ **Green:** Link established at 25, 10 or 1 Gbps
- ↗ **Flashing Green:** Transmitting data
- ▼ **Off:** No link established

5 AUX1 & AUX2 (SFP28)

- ▼ **Green:** Link established at 25, 10 or 1 Gbps
- ↗ **Flashing Green:** Transmitting data
- ▼ **Off:** No link established

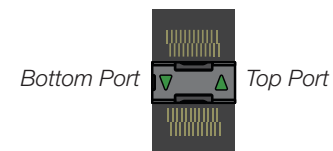
6 Ports 1 to 16 (SFP28)

- ▼ **Green:** Link established at 25, 10 or 1 Gbps
- ↗ **Flashing Green:** Transmitting data
- ▼ **Off:** No link established

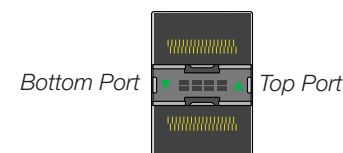
7 Ports 17 to 24 (QSFP28)

- ▼ **Green:** Link established at 100 or 40 Gbps
- ↗ **Flashing Green:** Transmitting data
- ▼ **Off:** No link established

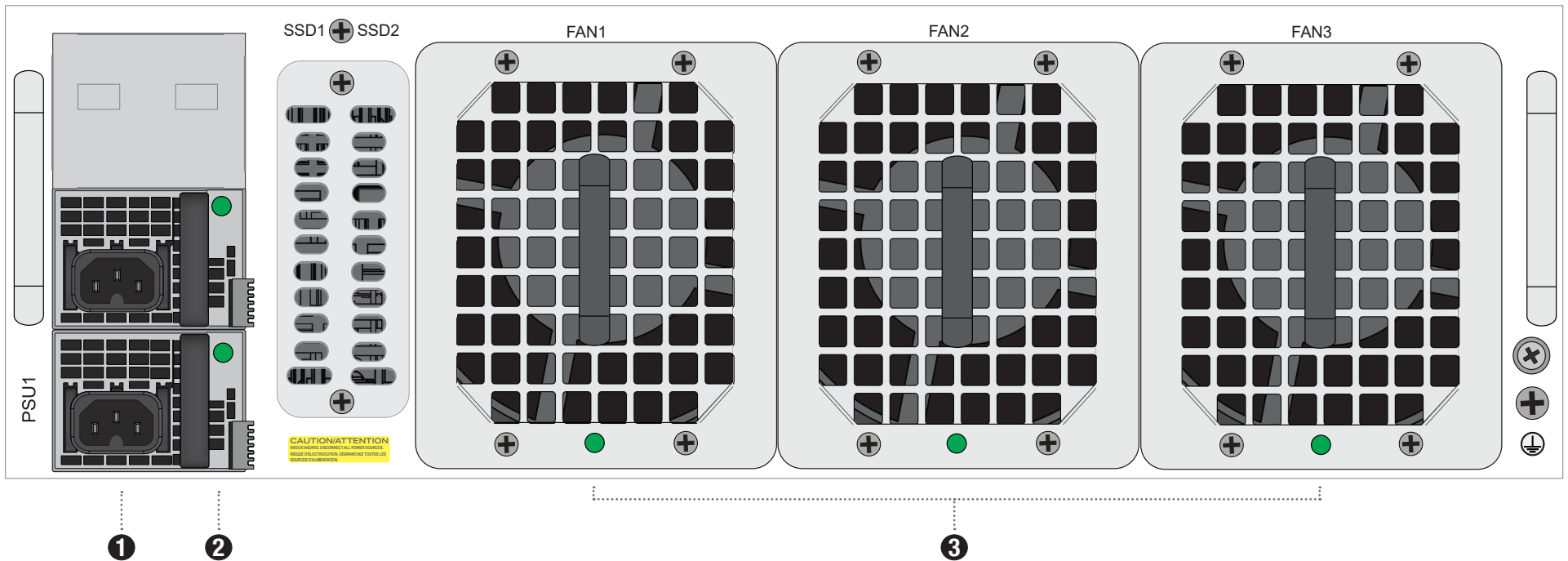
SFP28 Ports



QSFP28 Ports



Rear Pane - AC Model



1 AC Power Supplies redundant hot swappable, 100-240VAC, 12-10A, 50/60 Hz

2 PSU LED Status

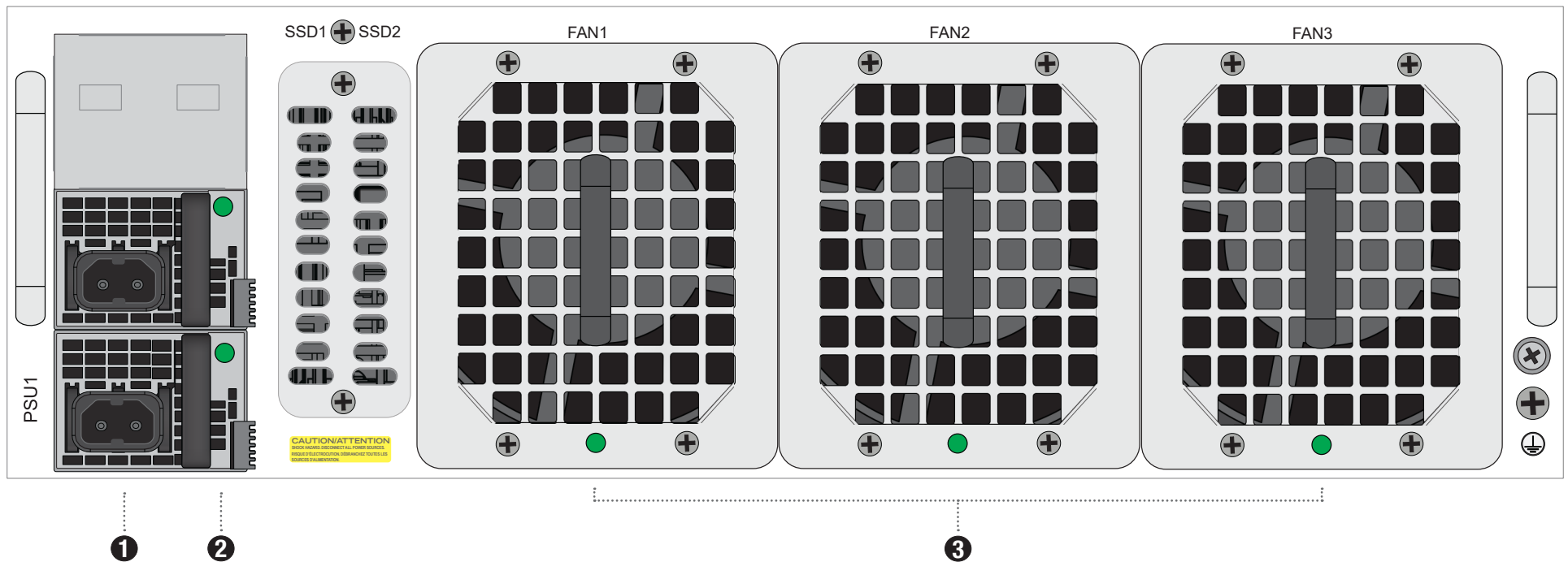
- **Green:** Power supply operating normally
- **Flashing Green:** AC power detected
- **Amber:** Power output is off
- **Flashing Amber:** Power supply error
- **Off:** AC power not detected

3 System Fan LED Status

- **Green:** Fan operating normally
- **Red:** Fan error, RPM too low or too high
- **Off:** Fan error or fan is off

Note: The two bottom PSU slots are populated by default. In the event of a power supply failure, replace the failed PSU in the same slot.

Rear Pane - DC Model



1 DC Power Supplies redundant hot swappable, -48-60VDC, 25-32A each

2 PSU LED Status

- **Green:** Power supply operating normally
- **Flashing Green:** DC power detected
- **Amber:** Power output is off
- **Flashing Amber:** Power supply error
- **Off:** DC power not detected

3 System Fan LED Status

- **Green:** Fan operating normally
- **Red:** Fan error, RPM too low or too high
- **Off:** Fan error or fan is off

Note: The two bottom PSU slots are populated by default. In the event of a power supply failure, replace the failed PSU in the same slot.

Rack Installation

The supplied equipment is designed for standard 19inch racks.

Rack Stability

Ensure the rack is stable before installing the slide rails and appliance.

- Check that the leveling jacks on the bottom of the rack are fully extended to the floor with the full weight of the rack resting on the jacks
- For single rack installation, stabilizers should be attached to the rack; for multiple rack installations, the racks should be coupled together

Appliance Installation

- To avoid personal injury or equipment damage, use a lifting device
- Do not pick up the appliance by the front handles
- Each inner rail has a system lock out tab to prevent the appliance from sliding out, ensure that it is locked when installing the appliance
- Prevent Electrostatic discharge (ESD) damage by wearing antistatic devices
- Do not place heavy objects on the appliance

What You Will Need

- Philips screwdriver, level & tape measure
- Rack-provided cage nuts and screws
- A lifting device or additional support
- ESD antistatic gear

Support

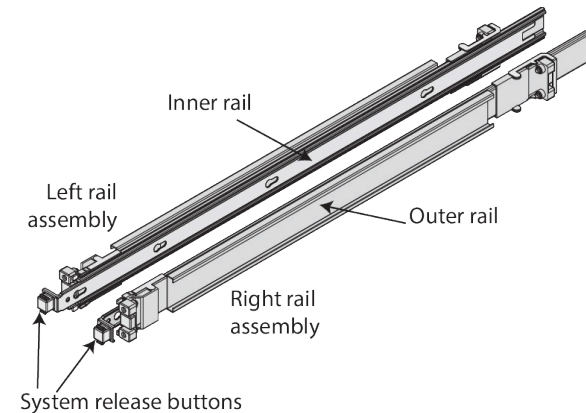
For video support on installing these slide rails, please visit:

<https://video.fortinet.com>

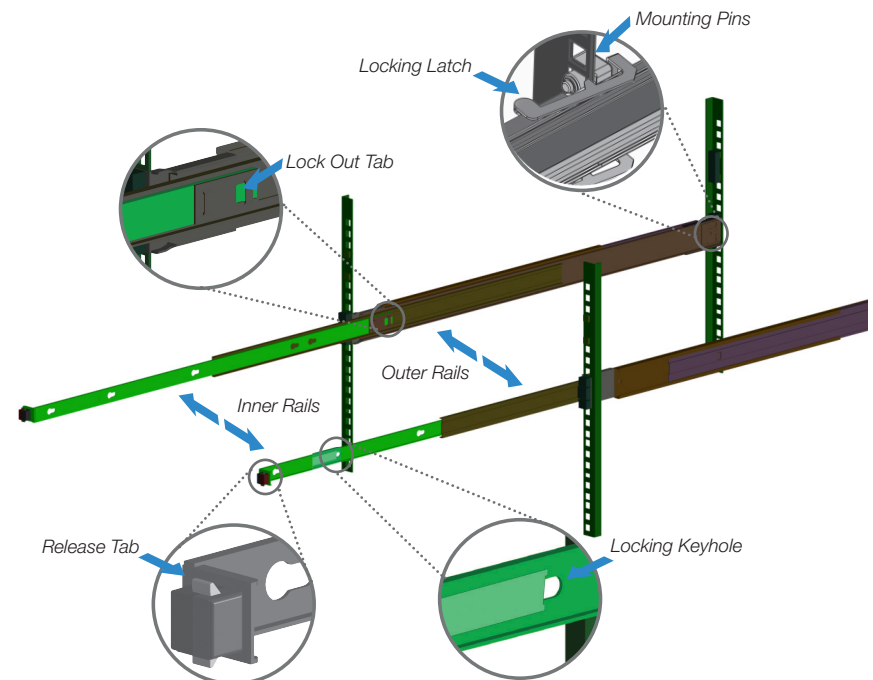
For additional support, please visit:

<http://support.fortinet.com>

Rail Assembly

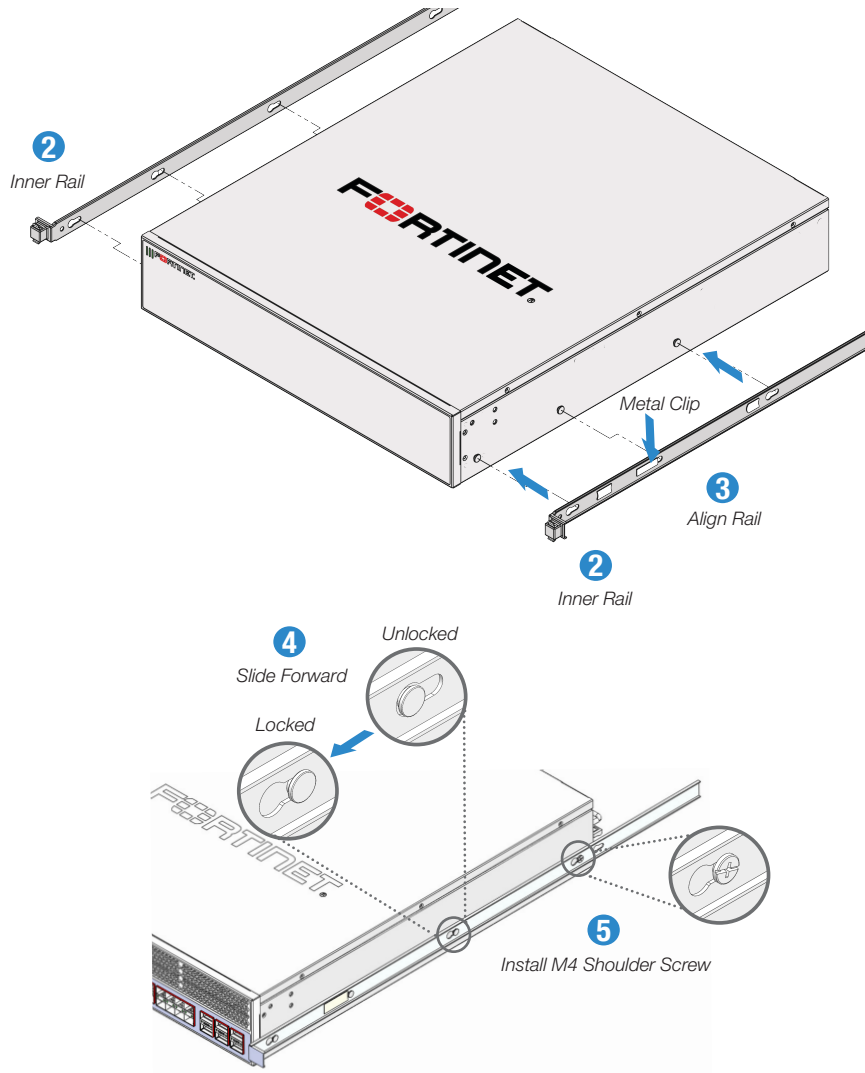


- The rail kit includes a left and a right rail assembly
- Each rail assembly includes an inner rail, a middle rail, and an outer rail
- The inner rail has locking keyholes used to secure the rail to the appliance
- The inner rail rear end has a lock out tab which slides into the middle rail
- The middle rail is in the outer rail and used to guide the inner rail into the outer rail
- The outer rail has front and rear mounting pins that push into the rack holes
- The outer rail also has front and rear locking latches to secure the rail to the rack



Attach the Inner Rails to the Appliance

1. Detach the inner rail from the rail assembly by pressing the lock out tab
2. Place an inner rail against a side of the appliance
3. Align the inner rail keyholes with the appliance pins
4. Slide the rail towards the front of the appliance until the metal clip locks into place
5. For inner rails with 5 keyholes and a chassis with 3 pins and a thread hole, use the provided M4 shoulder screw to secure the rail to the appliance
6. Repeat steps 1 to 5 for the remaining inner rail



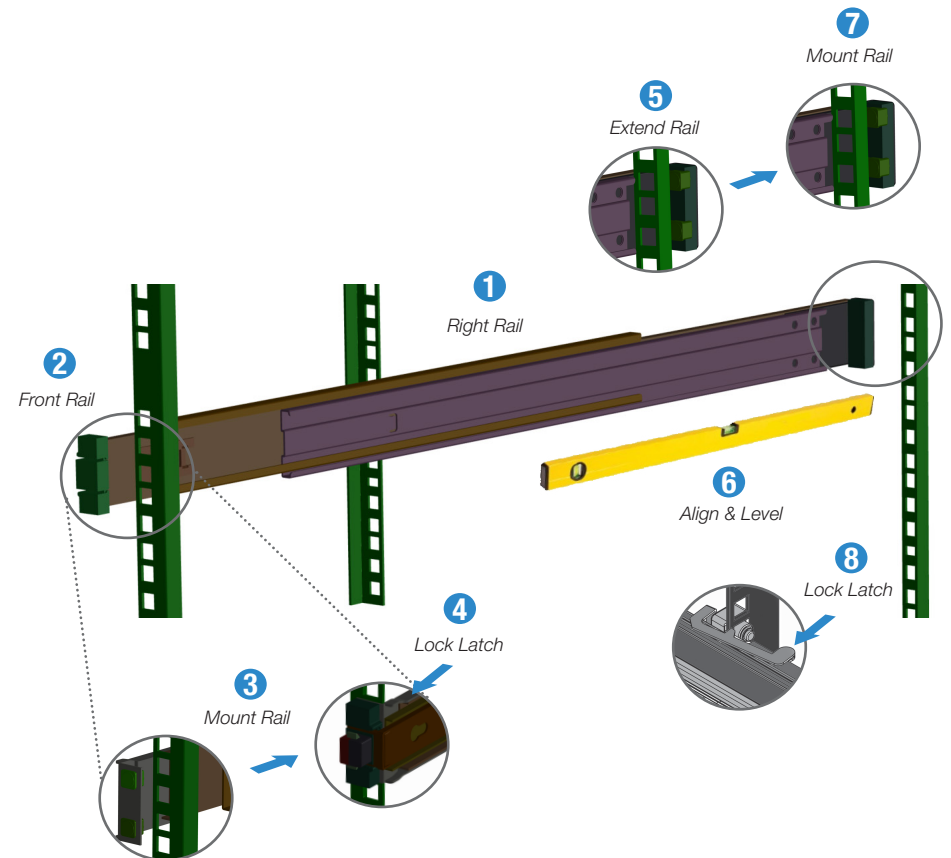
Attach the Outer Rails to the Rack

Front Outer Rail

1. Place an outer rail against a side of the rack
2. Align the front outer rail with the front of the rack
3. Push the front outer rail mounting pins into the rack post holes
4. Lock the locking latch to safely secure the front outer rail to the post

Rear Outer Rail

5. Extend the rear outer rail just past the rack post
6. Level the rail and align the mounting pins
7. Push the rear mounting pins into the rack post holes
8. Lock the locking latch to safely secure the rear outer rail to the post
9. Repeat steps 1 to 8 for the remaining outer rail



Install the Appliance

Safety Precautions

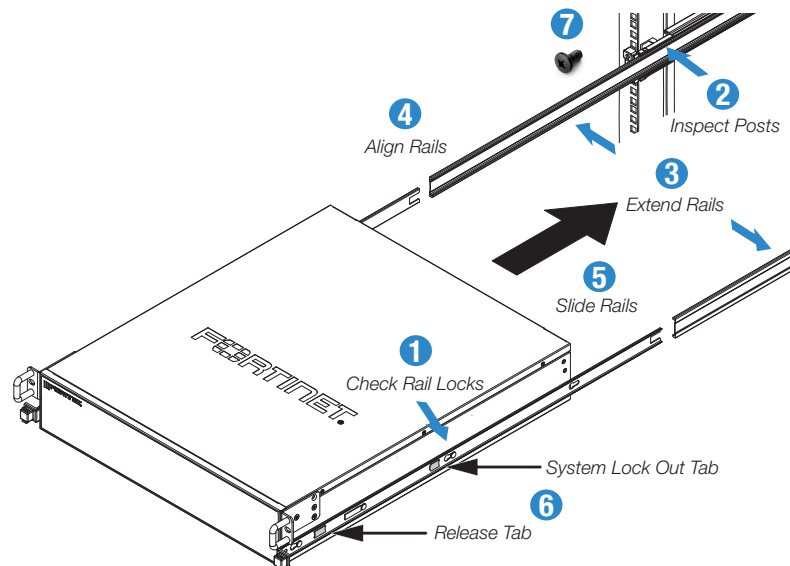
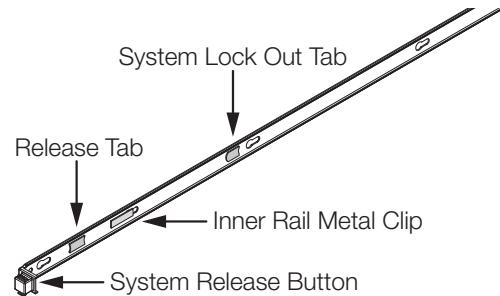
1. Check that the inner rails are secured to the appliance
2. Inspect that the rack posts and outer rails are secured and level

Rail Installation

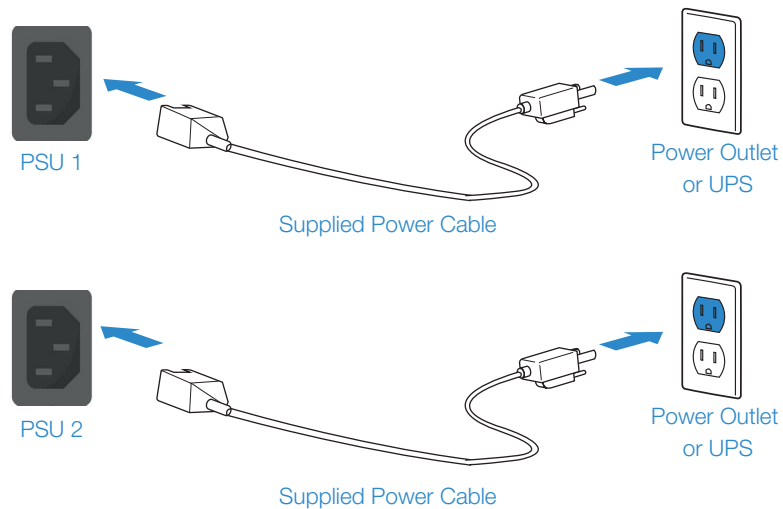
3. Slide the middle outer rails forward until they fully extend and lock into place
4. Using a lifting device, lift the appliance and align the inner rails with the middle rails
5. Slide the appliance and inner rails into the middle rails until there is a stop

System Lock

6. Apply even pressure and slide the release tabs outward while sliding the appliance all the way into the rack until the system release tabs click and lock into position
7. Use four rack screws (not provided) to secure the appliance to the rack



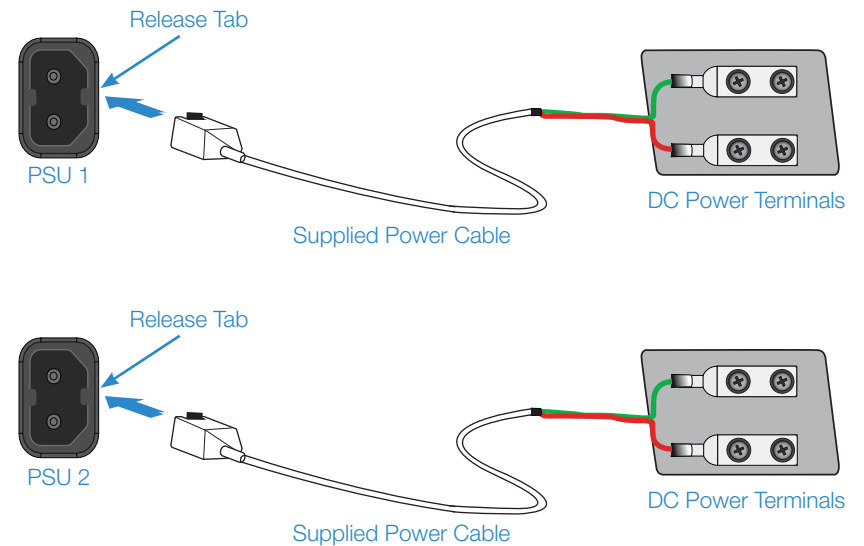
Basic Connections - AC Model



Plug in your device to a [power outlet](#) using the provided [power cables](#).

Note: We recommend connecting your FortiGate to an [uninterruptible power supply \(UPS\)](#) in case of a power outage

Basic Connections - DC Model

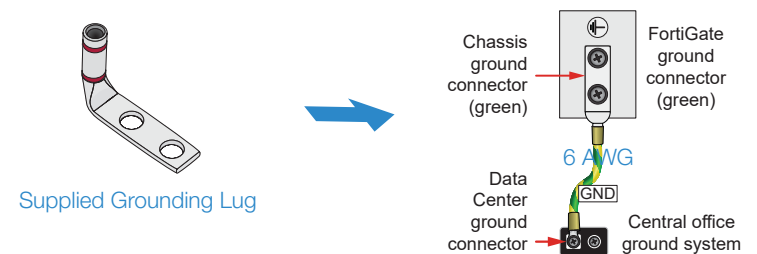


WARNING:

- For DC models, the power cord is a two prong connector with a release tab on one end and double hole lug plates on the other end
- The DC power source must have a 1/4" (0.64cm) stud to secure the lugs
- The distance between the studs should be 5/8" (1.59cm)
- The DC power source terminals should allow at least support 50A
- If the DC power source does not meet these requirements the cord must be cut and re-crimped to match the DC terminals

Ground connection

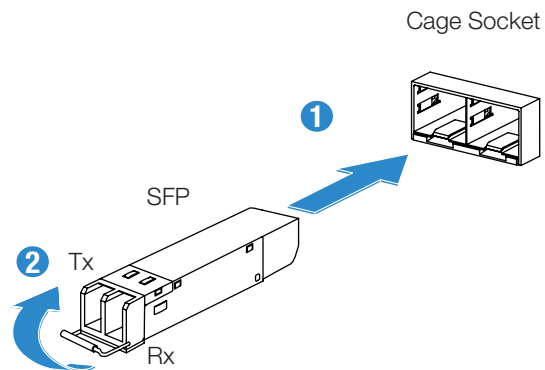
A grounding lug is provided with DC models to be used with a 6 AWG ground wire.



SFP Installation

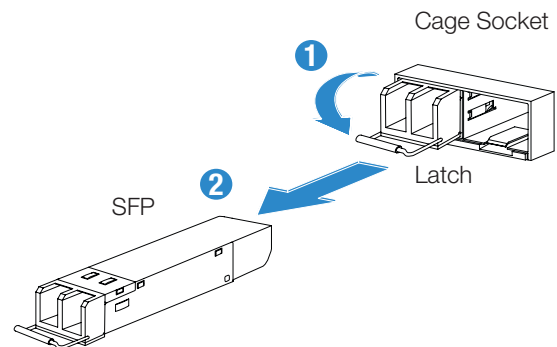
To install the SFP transceivers:

1. Slide the SFP into the cage socket until it clicks into place
2. Lift the latch to lock the SFP



To remove the SFP transceivers:

1. Lower the latch to unlock the SFP
2. Carefully pull the SFP out of the cage socket



Cautions and Warnings

Environmental specifications

Ambient operating temperature: 0°C to 40°C

Rack Mount Instructions - The following or similar rack-mount instructions are included with the installation instructions:

Instructions de montage en rack - Les instructions de montage en rack suivantes ou similaires sont incluses avec les instructions d'installation:

Elevated Operating Ambient - If installed in a closed or multi-unit rack assembly, the operating ambient temperature of the rack environment may be greater than room ambient. Therefore, consideration should be given to installing the equipment in an environment compatible with the maximum ambient temperature (Tma) specified by the manufacturer.

Température ambiante élevée – S'il est installé dans un rack fermé ou à unités multiples, la température ambiante de fonctionnement de l'environnement du rack peut être supérieure à la température ambiante de la pièce. Par conséquent, il est important d'installer le matériel dans un environnement respectant la température ambiante maximale (Tma) stipulée par le fabricant.

Reduced Air Flow - Installation of the equipment in a rack should be such that the amount of air flow required for safe operation of the equipment is not compromised. **Ventilation réduite** – Installation de l'équipement dans un rack doit être telle que la quantité de flux d'air nécessaire au bon fonctionnement de l'équipement n'est pas compromise.

Mechanical Loading - Mounting of the equipment in the rack should be such that a hazardous condition is not achieved due to uneven mechanical loading. **Chargement Mécanique** – Montage de l'équipement dans le rack doit être telle qu'une situation dangereuse n'est pas liée à un chargement mécanique inégal.

Circuit Overloading - Consideration should be given to the connection of the equipment to the supply circuit and the effect that overloading of the circuits might have on overcurrent protection and supply wiring. Appropriate consideration of equipment nameplate ratings should be used when addressing this concern. **Surtenstion** – Il convient de prendre l'ensemble des précautions nécessaires lors du branchement de l'équipement au circuit d'alimentation et être particulièrement attentif aux effets de la suralimentation sur le dispositif assurant une protection contre les courts-circuits et le câblage. Ainsi, il est recommandé de tenir compte du numéro d'identification de l'équipement.

Reliable Earthing - Reliable earthing of rack-mounted equipment should be maintained. Particular attention should be given to supply connections other than direct connections to the branch circuit (e.g. use of power strips). **Fiabilité de la mise à la terre** – Fiabilité de la mise à la terre de l'équipement monté en rack doit être maintenue. Une attention particulière devrait être accordée aux connexions d'alimentation autres que les connexions directes au circuit de dérivation (par exemple de l'utilisation de bandes de puissance).

Refer to specific Product Model Data Sheet for Environmental Specifications (Operating Temperature, Storage Temperature, Humidity, and Altitude)

Référez à la Fiche Technique de ce produit pour les caractéristiques environnementales (Température de fonctionnement, température de stockage, humidité et l'altitude).

Safety

Moving parts — Hazardous moving parts. Keep away from moving fan blades. **Pièces mobiles** – Pièces mobiles dangereuses. Se tenir éloigné des lames mobiles du ventilateur.

Warning: Equipment intended for installation in Restricted Access Location. **Avertissement:** Le matériel est conçu pour être installé dans un endroit où l'accès est restreint.

A skilled person must install the equipment.
L'équipement doit être installé par une personne qualifiée.

Warning: A readily accessible disconnect device shall be incorporated in the building installation wiring. **Avertissement:** Un dispositif de déconnexion facilement accessible doit être incorporé dans l'installation électrique du bâtiment.

Warning: A UL Listed external disconnect device, i.e. circuit breaker or other, with over current protection suitable for local code(rated 40A recommended) shall be installed with this equipment **Avertissement:** Un dispositif de déconnexion externe homologué UL, exemple d'un disjoncteur ou autre, avec des protections de surintensité appropriées (nominal 40A recommandé) à l'installation de ce matériel.

Battery – Risk of explosion if the battery is replaced by an incorrect type. Do not dispose of batteries in a fire. They may explode. Dispose of used batteries according to your local regulations. IMPORTANT: Switzerland: Annex 4.10 of SR814.013 applies to batteries.

Batterie – Risque d'explosion si la batterie est remplacée par un type incorrect. Ne jetez pas les batteries au feu. Ils peuvent exploser. Jetez les piles usagées conformément aux réglementations locales. IMPORTANT: Suisse: l'annexe 4.10 de SR814.013 s'applique aux batteries.

警告
本電池如果更換不正確會有爆炸的危險
請依製造商說明書處理用過之電池

CAUTION: Shock Hazard. Disconnect all power sources. **ATTENTION:** Risque d'électrocution. Débranchez toutes les sources d'alimentation

Grounding — To prevent damage to your equipment, connections that enter from outside the building should pass through a lightning / surge protector, and be properly grounded. Use an electrostatic discharge workstation (ESD) and/or wear an anti-static wrist strap while you work. In addition to the grounding terminal of the plug, on the back panel, there is another, separate terminal for earthing.

Mise à la terre — Pour éviter d'endommager votre matériel, assurez-vous que les branchements qui entrent à partir de l'extérieur du bâtiment passent par un parafoudre / parasurtenseur et sont correctement mis à la terre. Utilisez un poste de travail de décharge électrostatique (ESD) et / ou portez un bracelet anti-statique lorsque vous travaillez. Ce produit possède une borne de mise à la terre qui est prévu à l'arrière du produit, à ceci s'ajoute la mise à la terre de la prise.

This product has a separate protective earthing terminal provided on the back of the product in addition to the grounding terminal of the attachment plug. This separate protective earthing terminal must be permanently connected to earth with a green with yellow stripe conductor minimum size # 6 AWG and the connection is to be installed by a qualified service personnel.

Ce produit a une borne de mise à la terre séparé sur le dos de l'appareil, en plus de la borne de mise à la terre de la fiche de raccordement. Cette borne de mise à la terre séparée doit être connecté en permanence à la terre avec un conducteur vert avec la taille bande jaune de minimum # 6 AWG et la connexion doit être installé par un personnel qualifié.

Caution: Slide/rail mounted equipment is not to be used as a shelf or a work space. **Attention:** Un équipement monté sur bâti ne doit pas être utilisé sur une étagère ou dans un espace de travail.

Regulatory Notices

Federal Communication Commission (FCC) – USA

This device complies with Part 15 of FCC Rules. Operation is subject to the following two conditions:
(1) this device may not cause harmful interference, and
(2) this device must accept any interference received; including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy, and if it is not installed and used in accordance with the instruction manual, it may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference, in which case the user will be required to correct the interference at his own expense.

WARNING: Any changes or modifications to this product not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment

Industry Canada Equipment Standard for Digital Equipment (ICES) – Canada

CAN ICES-3 (A) / NMB-3 (A)

This digital apparatus does not exceed the Class A limits for radio noise emissions from digital apparatus set out in the Radio Interference Regulations of the Canadian Department of Communications.

Cet appareil numérique n'émet pas de bruits radioélectriques dépassant les limites applicables aux appareils numériques de la classe A prescrites dans le Règlement sur le brouillage radioélectrique édicté par le ministère des Communications du Canada.

European Conformity (CE) - EU

This is a Class A product. In a domestic environment, this product may cause radio interference, in which case the user may be required to take adequate measures.



Voluntary Control Council for Interference (VCCI) – Japan

この装置は、クラスA機器です。この装置を住宅環境で使用すると電波妨害を引き起こすことがあります。この場合には使用者が適切な対策を講ずるよう要求されることがあります。

V C C I – A

Product Safety Electrical Appliance & Material (PSE) – Japan

日本では電気用品安全法 (PSE) の規定により、同梱している電源コードは本製品の専用電源コードとして利用し、他の製品に使用しないでください。

Bureau of Standards Metrology and Inspection (BSMI) – Taiwan

The presence conditions of the restricted substance (BSMI RoHS table) are available at the link below:
限用物質含有情況表 (RoHS Table) 請到以下 網址下載:
<https://www.fortinet.com/bsmi>

此為甲類資訊技術設備，於居住環境中使用時，可能會造成射頻擾動，在此種情況下，使用者會被要求採取某些適當的對策。

英屬蓋曼群島商防特網股份有限公司台灣分公司
地址：台北市內湖區行愛路179號2樓
電話：(02) 27961666

China

此为A级产品，在生活环境中，该产品可能会造成无线电干扰。这种情况下，可能需要用户对其采取切实可行的措施。

For the FG-4200F and FG-4201F AC models only

Korea Certification (KC) – Korea

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Version 2.1, February 1999

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